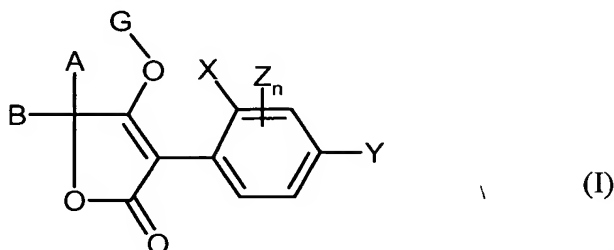


Patent Claims

1. Compositions comprising mixtures of compounds of the formula (I)



in which

X represents C₁-C₆-alkyl, halogen, C₁-C₆-alkoxy or C₁-C₃-halogenoalkyl,

Y represents hydrogen, C₁-C₆-alkyl, halogen, C₁-C₆-alkoxy or C₁-C₃-halogenoalkyl,

Z represents C₁-C₆-alkyl, halogen or C₁-C₆-alkoxy,

n represents a number from 0 to 3,

A represents hydrogen or in each case optionally halogen-substituted straight-chain or branched C₁-C₁₂-alkyl, C₃-C₈-alkenyl, C₃-C₈-alkinyl, C₁-C₁₀-alkoxy-C₂-C₈-alkyl, C₁-C₈-polyalkoxy-C₂-C₈-alkyl, C₁-C₁₀-alkylthio-C₂-C₈-alkyl or cycloalkyl having 3-8 ring atoms which may be interrupted by oxygen and/or sulphur and represents in each case optionally halogen-, C₁-C₆-alkyl-, C₁-C₆-halogenoalkyl-, C₁-C₆-alkoxy-, C₁-C₆-halogenoalkoxy- or nitro-substituted phenyl or phenyl-C₁-C₆-alkyl,

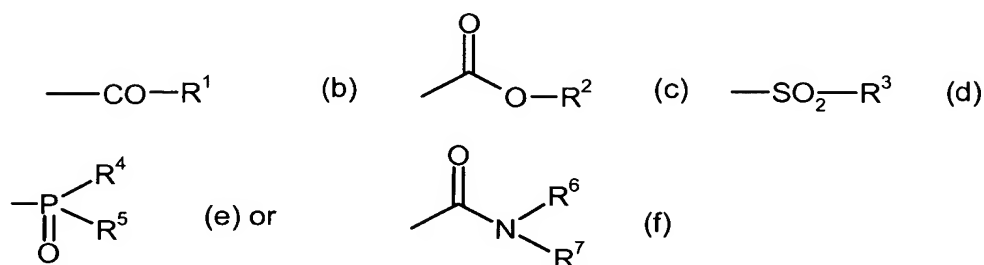
B represents hydrogen, C₁-C₆-alkyl or C₁-C₆-alkoxy-C₂-C₄-alkyl

or in which

5 A and B together with the carbon atom to which they are attached form a saturated or unsaturated 3- to 8-membered ring which is optionally interrupted by oxygen and/or sulphur and optionally substituted by halogen, C₁-C₆-alkyl, C₁-C₆-alkoxy, C₁-C₄-halogenoalkyl, C₁-C₄-halogenoalkoxy, C₁-C₄-alkylthio or optionally substituted phenyl or is optionally benzo-fused,

10

G represents hydrogen (a) or represents a group



in which

15

R¹ represents in each case optionally halogen-substituted C₁-C₂₀-alkyl, C₂-C₂₀-alkenyl, C₁-C₈-alkoxy-C₂-C₈-alkyl, C₁-C₈-alkylthio-C₂-C₈-alkyl, C₁-C₈-polyalkoxy-C₂-C₈-alkyl or cycloalkyl having 3-8 ring atoms which may be interrupted by oxygen and/or sulphur atoms,

20

represents optionally halogen-, nitro-, C₁-C₆-alkyl-, C₁-C₆-alkoxy-, C₁-C₆-halogenoalkyl- or C₁-C₆-halogenoalkoxy-substituted phenyl,

25

represents optionally halogen-, C₁-C₆-alkyl-, C₁-C₆-alkoxy-, C₁-C₆-halogenoalkyl- or C₁-C₆-halogenoalkoxy-substituted phenyl-C₁-C₆-alkyl,

represents in each case optionally halogen- and/or C₁-C₆-alkyl-substituted pyridyl, pyrimidyl, thiazolyl or pyrazolyl,

5 represents optionally halogen- and/or C₁-C₆-alkyl-substituted phenoxy-C₁-C₆-alkyl,

10 R² represents in each case optionally halogen-substituted C₁-C₂₀-alkyl, C₂-C₂₀-alkenyl, C₁-C₈-alkoxy-C₂-C₈-alkyl or C₁-C₈-polyalkoxy-C₂-C₈-alkyl,

represents in each case optionally halogen-, nitro-, C₁-C₆-alkyl-, C₁-C₆-alkoxy- or C₁-C₆-halogenoalkyl-substituted phenyl or benzyl,

15 R³ represents optionally halogen-substituted C₁-C₈-alkyl, represents in each case optionally C₁-C₄-alkyl-, halogen-, C₁-C₄-halogenoalkyl-, C₁-C₄-alkoxy-, C₁-C₄-halogenoalkoxy-, nitro- or cyano-substituted phenyl or benzyl,

20 R⁴ and R⁵ independently of one another represent in each case optionally halogen-substituted C₁-C₈-alkyl, C₁-C₈-alkoxy, C₁-C₈-alkylamino, di-(C₁-C₈)-alkylamino, C₁-C₈-alkylthio, C₂-C₅-alkenylthio, C₂-C₅-alkinylthio or C₃-C₇-cycloalkylthio, represent in each case optionally halogen-, nitro-, cyano-, C₁-C₄-alkoxy-, C₁-C₄-halogenoalkoxy-, C₁-C₄-alkylthio-, C₁-C₄-halogenoalkylthio-, C₁-C₄-alkyl- or C₁-C₄-halogenoalkyl-substituted phenyl, phenoxy or phenylthio,

25

30 R⁶ and R⁷ independently of one another represent in each case optionally halogen-substituted C₁-C₁₀-alkyl, C₁-C₁₀-alkoxy, C₃-C₈-alkenyl or C₁-C₈-alkoxy-C₁-C₈-alkyl, represent optionally halogen-, C₁-C₆-halogenoalkyl-, C₁-C₆-alkyl- or C₁-C₆-alkoxy-substituted phenyl, represent optionally halogen-, C₁-C₆-alkyl-, C₁-C₆-halogenoalkyl- or

C₁-C₆-alkoxy-substituted benzyl or together represent a 5- or 6-membered ring which is optionally interrupted by oxygen or sulphur and which may optionally be substituted by C₁-C₆-alkyl,

5 and at least one of the compounds below

bifenazate
abamectin
acequinocyl
chlorfenapyr
diafenthiuron
etoxazole
azocyclotin
cyhexatin
tebufenpyrad
fenpyroximat
pyridaben
flufenoxuron
bifenthrin
clofentezine
fenbutatin oxide
tolylfluanid
pyrimidyl phenol ethers (XVII-XIX)
spinosad
ivermectin
milbemectin
endosulfan
fenazaquin
pyrimidifen
triarathen
tetradifon

propargit
hexythiazox
bromopropylate
dicofol
chinomethionat

2. Compositions according to Claim 1, comprising compounds of the formula (I)

in which

5

X represents C₁-C₄-alkyl, halogen, C₁-C₄-alkoxy or C₁-C₂-halogenoalkyl,

10

Y represents hydrogen, C₁-C₄-alkyl, halogen, C₁-C₄-alkoxy or C₁-C₂-halogenoalkyl,

Z represents C₁-C₄-alkyl, halogen or C₁-C₄-alkoxy,

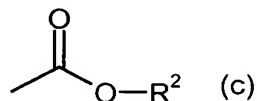
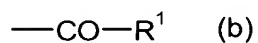
15

n represents 0 or 1,

A and B together with the carbon atom to which they are attached form a saturated, optionally C₁-C₄-alkyl- or C₁-C₄-alkoxy-substituted 5- or 6-membered ring,

20

G represents hydrogen (a) or represents the groups



in which

R¹ represents in each case optionally halogen-substituted C₁-C₁₆-alkyl, C₂-C₁₆-alkenyl, C₁-C₆-alkoxy-C₂-C₆-alkyl, or cycloalkyl having 3-7 ring atoms which may be interrupted by 1 or 2 oxygen and/or sulphur atoms,

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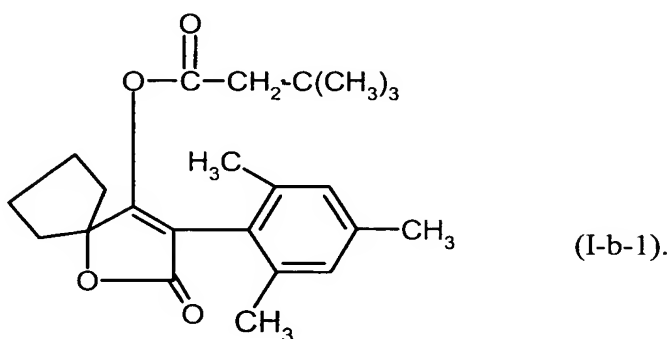
represents optionally halogen-, nitro-, C₁-C₄-alkyl-, C₁-C₄-alkoxy-, C₁-C₃-halogenoalkyl-, C₁-C₃-halogenoalkoxy-substituted phenyl;

R² represents in each case optionally halogen-substituted C₁-C₁₆-alkyl, C₂-C₁₆-alkenyl or C₁-C₆-alkoxy-C₂-C₆-alkyl,

10

represents in each case optionally halogen-, nitro-, C₁-C₄-alkyl-, C₁-C₄-alkoxy- or C₁-C₄-halogenoalkyl-substituted phenyl or benzyl.

- 15 3. Compositions according to Claim 1, comprising the compound of the formula (I-b-1)



4. Use of mixtures as defined in Claim 1, 2 and 3 for controlling animal pests.
5. Method for controlling animal pests, characterized in that mixtures as defined in Claim 1, 2 and 3 are allowed to act on animal pests and/or their habitat.

20

6. Process for preparing insecticidal and acaricidal compositions, characterized in that mixtures as defined in Claim 1, 2 and 3 are mixed with extenders and/or surfactants.